



+

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

ons are required to respond to

JUN 15 2010

OSURE

LICANT

APR 15 2010

First

Complete if Known

(use as many sheets as necessary)

Sheet 1 of 1

Application Number	09/218,817
Filing Date	12/22/1998
First Named Inventor	Michael Joseph Gardner
Group Art Unit	2731
Examiner Name	Pham, Chi
Attorney Docket Number	1170

[illegible][illegible]

Examiner
Signature

Date	
Considered	

2/10/04


*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. **DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO:** Assistant Commissioner for Patents, Washington, DC 20231.

+




 JUN 15 2000
 are required to respond to a
 TRADE MARK OFFICE
 Appli

+

Approved
Trademark

Substitute for form 1449B/PTO			<div style="text-align: right;"> Complete if Known </div>	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>			Application Number	09/218,817
			Filing Date	12/22/1998
			First Named Inventor	Michael Joseph Gardner
			Group Art Unit	2731
			Examiner Name	Pham, Chi
			Attorney Docket Number	1170
Sheet	1	of	1	

OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No.†	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
<i>[Signature]</i>	2	Shirou Tanabe, et al., "A New Distributed Switching System Architecture for B-ISDN," International Conference on Integrated Broadband Services and Networks, The Institution of Electrical Engineers (Savoy Place, London), p. 258-263.	X

RECEIVED
JUN 20 2000
TC 2700 MAIL ROOM

RECEIVED
JUN 20 2000
TIC 2700 MAIL ROOM

[Handwritten signature]

2/10/04

¹ Unique citation designation number. ² Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. **DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO:** Assistant Commissioner for Patents, Washington, DC 20231.



Application Number: 09/218,817

Filing Date: 12/22/98

First Named Inventor: Gardner

Group Art Unit: 2731

Examiner Name: Chi H. Pham

Attorney Docket Number: 1170 (39201/515)

INFORMATION DISCLOSURE STATEMENT
(Substitute for form 1449A/PTO)

Sheet 1 of 3

RECEIVED
AUG 16 2001
Technology Center 2600

Examiner Initials	Cite No.	U. S. Patent Document Number	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY
		4,201,889	Lawrence, et al.	5-6-80
		4,348,554	Asmuth	9-7-82
		4,720,850	Oberlander	1-19-88
		4,763,317	Lehman	8-9-88
		4,748,658	Gopal, et al.	5-31-88
		4,926,416	Weik	5-15-90
		4,979,118	Kheradpir	12-18-90
		4,991,204	Yamamoto, et al.	2-5-91
		5,051,983	Kammerl	9-24-91
		5,067,123	Hyodo, et al.	11-19-91
		5,084,867	Tachibana, et al.	1-28-92
		5,089,954	Rago	2-18-92
		5,091,903	Schrodi	2-25-92
		5,101,404	Kunimoto, et al.	3-31-92
		5,130,974	Kawamura, et al.	7-14-92
		5,168,492	Beshai, et al.	12-1-92
		5,204,857	Obara	4-20-93
		5,216,669	Hofstetter, et al.	6-1-93
		5,218,602	Grant, et al.	6-8-93
		5,239,539	Uchida, et al.	8-24-93
		5,249,178	Kurano, et al.	9-28-93
		5,251,255	Epley	10-5-93
		5,255,266	Watanabe, et al.	10-19-93
		5,291,492	Andrews, et al.	3-1-94
		5,327,421	Hiller, et al.	7-5-94
		5,339,318	Tanaka, et al.	8-16-94
		5,345,443	D'Ambrogio, et al.	9-6-94
		5,345,445	Hiller, et al.	9-6-94
		5,345,446	Hiller, et al.	9-6-94
		5,357,510	Norizuki, et al.	10-18-94
		5,363,433	Isono	11-8-94
		5,365,524	Hiller, et al.	11-15-94
		5,384,771	Isidoro, et al.	1-24-95
		5,392,402	Robrock, II	2-21-95
		5,420,857	Jurkevich	5-30-95
		5,422,882	Hiller, et al.	6-6-95

Examiner Signature

Date Considered:

2/10/01



Application Number: 09/218,817

Filing Date: 12/22/98

First Named Inventor: Gardner

Group Art Unit: 2731

Examiner Name: Chi H. Pham

Attorney Docket Number: 1170 (39201/515)

INFORMATION DISCLOSURE STATEMENT

(Substitute for form 1449A/PTO)

Sheet 2 of 3

5,426,636	Hiller, et al.	6-20-95
5,428,607	Hiller, et al.	6-27-95
5,428,609	Eng, et al.	6-27-95
5,434,852	La Porta, et al.	7-18-95
5,446,738	Kim, et al.	8-29-95
5,452,296	Shimizu	9-19-95
5,452,297	Hiller, et al.	9-19-95
5,461,669	Vilain	10-24-95
5,473,677	D'Amato, et al.	12-5-95
5,473,679	La Porta, et al.	12-5-95
5,479,401	Bitz, et al.	12-26-95
5,483,527	Doshi, et al.	1-9-96
5,495,484	Self, et al.	2-27-96
5,497,373	Hulen et al.	3-5-96
5,509,010	LaPorta, et al.	4-16-96
5,513,355	Doellinger et al.	4-30-96
5,530,698	Kozaki, et al.	6-25-96
5,539,815	Samba	7-23-96
5,539,884	Robrock, II	7-23-96
5,541,918	Ganmukhi, et al.	7-30-96
5,568,475	Doshi, et al.	10-22-96
5,579,311	Chopping, et al.	11-26-96
5,602,841	Kebizay et al.	2-11-97
5,623,491	Skoog	4-22-97
5,629,930	Beshai, et al.	5-13-97
5,636,210	Agrawal, et al.	6-3-97
5,703,876	Christie (1102)	12-30-97
5,719,863	Hummel	2-17-98
5,787,086	McClure et al.	7-28-98
5,805,568	Shinbashi	9-8-98
5,825,780	Christie (1057)	10-20-98
5,844,895	Gradischung	12-1-98
5,920,562	Christie et. al.	7-6-99
5,926,482	Christie	7-20-99
5,953,338	Ma	8-14-99
5,940,393	Duree et. al.	8-17-99
5,940,491	Anderson et al.	8-17-99
5,991,301	Christie	11-23-99
5,999,525	Krishnaswamy et al.	12-7-99
6,002,689	Christie, et al.	12-14-99
6,005,845	Svennesson et al.	12-21-99

Examiner Signature

Date Considered: 2/14/04

RECEIVED
AUG 16 2001
Technology Center 2600



Application Number: 09/218,817

Filing Date: 12/22/98

First Named Inventor: Gardner

Group Art Unit: 2731

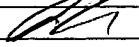

Examiner Name: Chi H. Pham

Attorney Docket Number: 1170 (39201/515)

INFORMATION DISCLOSURE STATEMENT

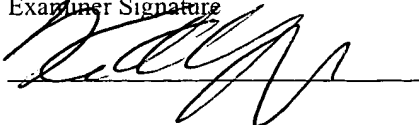
(Substitute for form 1449A/PTO)

Sheet 3 of 3

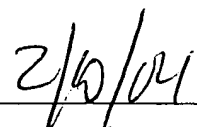
	6,009,100	Gausmann et al.	12-28-99
	6,016,319	Kshirsagar, et al.	1-18-00
	6,016,343	Hogan et al.	1-18-00
	6,023,474	Gardner (1119)	2-8-00
	6,031,840	Christie	2-9-00
	6,026,091	Christie et al.	2-15-00
	6,031,840 (1148)	Christie et al.	2-29-00
	6,081,529	Christie	6-27-00
	6,137,800	Wiley et al.	10-24-00
	6,181,703 B1 (1098)	Christie et al.	1-30-01

RECEIVED
AUG 16 2001
Technology Center 2600

Examiner Signature



Date Considered:





Application Number: 09/218,817

Filing Date: 12/22/98

First Named Inventor: Gardner

Group Art Unit: 2731

Examiner Name: Chi H. Pham

Attorney Docket Number: 1170 (39201/515)

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Sheet 1 of 2

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS		
Examiner Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), TITLE OF THE ARTICLE (WHEN APPROPRIATE, TITLE OF THE ITEM (BOOK, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.
		MCDYSAN, DAVID E. AND SPOHN, DARREN L., ATM Theory And Application, 1994, pg. 256: 9.3.1; ATM Layer VPI/VCI Level Addressing
		CHOI, Requirements For ATM Trunking, ATM Forum Technical Committee 95-1401, October 2-6, 1995
		OHTA, S., et al., A Dynamically Controllable ATM Transport Network Based On The Virtual Path Concept, Pp. 1272-1276, Communications For The Information Age, Globecom '88, Conference Record, Vol. III, November 28-December 1, 1988
		DUAULT, Proposal For ATM Trunking Options", ATM Forum Technical Committee, 95-1230, October 2-6, 1995
		SCHINK, "CES As A Flexible Trunking Method", ATM Forum Technical Committee 95-1157, October 2-6, 1995
		CAVES, Proposed modifications to the baseline text (95-0446R2) of the "VTOA - ATM Trunking For Narrowband Services" SPECIFICATION", ATM Forum Technical Committee 95-1134, October 2-6, 1995
		KUMAR, "SAA/VTOA Legacy Voice Service At A Native ATM Terminal", ATM Forum Technical Committee 95-0917R1, October 2-6, 1995
		BARR, W.J., et al., The TINA Initiative, IEEE Communications Magazine, Vol. 31, No. 3, New York (US), pgs. 70-76, March 1993
		WEISSER, F. J., et al., The Intelligent Network And Forward-Looking Technology, IEEE Communications Magazine, Vol. 26, No. 12, December 1988, New York (US), pgs. 64-69, December, 1988
		"IN/B-ISDN Signaling Three Ways Of Integration," Study Group 11, Geneva, ITU - Telecommunication Standardization Sector, November 29 - December 17, 1993.
		"General Recommendations On Telephone Switching And Signaling Intelligent Network—Intelligent Network Distributed Functional Plane Architecture, Q.1204, ITU-T - March 1993
		General Recommendations On Telephone Switching And Signaling Intelligent Network-Intelligent Network Physical Plane Architecture Q.1205, ITU-T Recommendation, Telecommunication Standardization Sector of ITU
		BECKMAN, RICHARD T. and Matthews, Joseph R., "Proposal For A Physical Architecture Based On The Harmonized Functional Architecture," Committee T1 Contribution T1S1.5/95-027, Bellcore,.

Examiner Signature

Date Considered:

2/10/04

Technology Center 2600

AUG 16 2001

RECEIVED



Application Number: 09/218,817

Filing Date: 12/22/98

First Named Inventor: Gardner

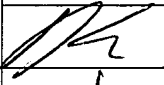

Group Art Unit: 2731

Examiner Name: Chi H. Pham

Attorney Docket Number: 1170 (39201/515)

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Sheet 2 of 2

		20 February 1995
		BUHRKE, Proposed Unified Functional Model, T1S1.5/95-036, February 1995
		MINOLI, DANIEL/DVI Communications, Inc./Stevens Institute of Technology and Dobrowski, George/Bell Communications Research (Bellcore), Principles Of Signaling For Cell Relay And Frame Relay © pp. 1-2, 5-6 and 229, 1994.
		"Network Signaling," Telephony, TCX12004, University of Excellence, pp 5.8-5.17, 21 October 1991.
		MCKINNEY, SCOTT, "ATM for Narrowband Services" IEEE Communications Magazine, April, 1994, New York, US, pgs. 64-72.
		FARIS, F., "A Proposed Architecture for the Transport of Compressed VBR Voice Over ATM, October 1-6, 1995, SAA/VTOA Sub Working Group, pgs. 1-4.
		KIM, Yung, "Voice and Telephony services for an ATM terminal" ATM Forum Technical Committee Service Aspects and Application Sub-working Group, October 2-7, 1995, Honolulu, Hawaii, pgs. 1-4
		KOCAN KRISTIN F., "Universal Premises Access to Voice Band and ATM Networks Using a Broadband Interworking Gateway, Bell Labs Technical Journal, April-June, 1998, 93-108.
		TANABE, SHIROU, TAIHEI, SUZUKI, AND OHTSUKI, KEN-ICHI, "A New Distributed Switching System Architecture for B-ISDN," International Conference on Integrated Broadband Services and Networks, October 15-18, 1990, The Institution of Electrical Engineers, Savoy Place, London.
		PALMER, ROB, "An Experimental ATM Network Featuring De-Coupled Modular Control," Telecom Australia Research Laboratories (Victoria), pgs. 118-122 (November, 1992).
		THOMAS F. LAPORTA, "Distributed Call Processing for Wireless Mobile Networks," Bell Labs Technical Journal, Vol. 1 (No.1), pgs. 127-142, (October, 1996).
		PALMER, ROB, "An Experimental ATM Network for B-ISDN Research," IEEE Region 10 Conference, Melbourne, Australia, November 1992.

RECEIVED
AUG 16 2001
Technology Center 2600

Examiner Signature



Date Considered:

2/10/01

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet	1	of	2
-------	---	----	---

Complete if Known

Application Number	09/218,817
Filing Date	12/22/98
First Named Inventor	Gardner
Group Art Unit	2731
Examiner Name	unknown
Attorney Docket Number	1170

U.S. PATENT DOCUMENTS

Examiner Initials *	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code ² (if known)			
	1	US-5,115,427	May 19, 1992	Johnson, Jr. et al.	
	2	US-5,182,550	Jan. 26, 1993	Masuda et al.	
	3	US- 5,289,536	Feb. 22, 1994	Hokari	
	4	US- 5,459,721	Oct. 17, 1995	Yoshida	
	5	US- 5,469,501	Nov. 21, 1995	Otsuka	
	6	US- 5,513,180	Apr. 30, 1996	Miyake et al.	
	7	US- 5,526,359	Jun. 11, 1996	Read et al.	
	8	US- 5,541,917	Jul. 30, 1996	Farris	
	9	US- 5,583,849	Dec. 10, 1996	Ziemann et al.	
	10	US- 5,765,108	Jun. 9, 1998	Martin et al.	
	11	US-5,784,371	Jul. 21, 1998	Iwai	
	12	US-5,889,773	Mar. 30, 1999	Stevenson, III	
	13	US- 5,917,815	Jun. 29, 1999	Byers et al.	
	14	US- 5,982,783	Nov. 9, 1999	Frey et al.	
	15	US- 6,026,086	Feb. 15, 2000	Lancelot et al.	
	16	US- 6,041,043	Mar. 21, 2000	Denton et al.	
	17	US- 6,098,094	Aug. 1, 2000	Barnhouse et al.	
	18	US- 6,298,043	Oct. 2, 2001	Mauger et al.	
	19	US- 6,324,179	Nov. 27, 2001	Doshi et al.	
		US-			

FOREIGN PATENT DOCUMENTS

[illegible]

**Examiner
Signature**

Date Considered

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04.

³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. **DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.**

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number

Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Sheet 2

of

2

Complete if Known

Application Number	09/218,817
Filing Date	12/22/98
First Named Inventor	Gardner
Group Art Unit	2731
Examiner Name	unknown
Attorney Docket Number	1170

RECEIVED

SEP 26 2002

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS

Technology Center 2600

Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	20	HELEN A. BAUER, JOHN J. KULZER, EDWARD G. SABLE, "Designing Service-Independent Capabilities for Intelligent Networks," IEEE, December 1988, pgs. 31-41	
	21	ITU-T Q.1219, "Intelligent Network User's Guide For Capability Set 1," April, 1994	
	22	THORNER, "Intelligent Networks, Chapter 2," 1994, Artech House, pgs. 11-107	
	23	ITU-T, Recommendation Q.722, "Specifications of Signalling System No. 7, General Function of Telephone Messages and Signals," 1993	
	24	Hoffpauir et al., "Application Provider and Method For Communication," Reg. Number: H1,895; Published: Oct. 3, 2000	
	25	Hoffpauir et al., "Network Management System Server and Method for Operation," Reg. Number: H1,896, Published: Oct. 3, 2000	
	26	Fletcher et al., "Merged Operations and Maintenance Center and Method for Operation," Reg. Number: H1,897, Published: Oct. 3, 2000	

Examiner
SignatureDate
Considered

2/10/04

* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.